

Page 2, line 24: delete the sentence that begins with "Line failures impair...";

Page 2, line 27: delete "the physical path of";

Page 2, line 28: delete "impair" and insert --affect--;

Page 2, line 29: after "equipment", insert --, such as a laser diode transmitter,--;

Page 2, line 31: delete "disable the channel." and insert --may disable a link

between two nodes.--;

Page 3, line 5: delete "light termination" and insert --line terminating--;

Page 3, line 7: delete "either manually," and insert --through the network--;

Page 3, line 9: delete the period and continue the sentence by inserting --for a

dynamic algorithm which discovers alternate routes at the time of a failure.--;

Page 3, line 10: before the paragraph that begins with "LPS ensures resiliency...", insert the following paragraphs:

LPS is performed strictly within a span. If one traffic-bearing link fails, then the LTE's at each end of the span switch to a protect channel or protect link reserved within the span.

In contrast to LPS, NRS involves rerouting of traffic through a set of nodes in a mesh network and may be used to recover even from failures wherein an entire span is disabled. A technique for accomplishing network restoration is taught by Grover in U.S. Patent No. 4,956,835. NRS is a means by which spare capacity distributed across the many spans of a network can contribute to the survivability of a span failure. Thus, network survivability is improved while minimizing wasteful redundancy at each span.--;

Page 3, line 10: delete "channel" and insert --link--;

Page 3, line 12: delete "channel in use" and insert --traffic-bearing link--;

Page 3, line 16: before "When" insert a sentence as follows: --This is called a 1:N

or one-to-N protection scheme.--;

Page 3, line 18: delete "traffic carrying channel" and insert --link--;

Page 3, line 19: delete "channel" and insert --link--;

Page 4, line 13: delete the word "a" and insert --one link--;

Page 4, line 16: beginning with the sentence that begins with "NRS is currently...", delete the remainder of the paragraph through line 26;

Page 5, line 1: delete "light termination" and insert --line terminal--;

Page 7, line 17: delete "light termination" and insert --optical line terminating--;

Page 9, line 13: delete the sentence that begins with "The failed component type..." and insert the following two sentences: --As used herein, the "failed facility

type" characterizes a failed component as either a "line failure" or a "module failure."

Likewise, the "previous failed facility type" as used herein may be either a "line failure" or a "module failure."--;

Page 9, line 14: delete the sentence that begins with "A previous failed...";

Page 9, line 15: delete the sentence that begins with "Two failed facility...";